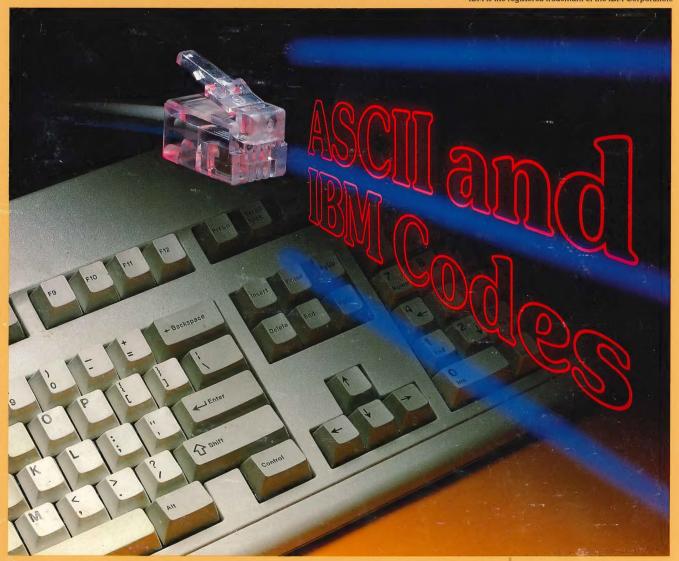


G80-1220

Comfort Keyboard with serial asynchronous Interface. Changeable between IBM*-Position- and ASCII-Codes.

* IBM is the registered trademark of the IBM Corporation





Main Advantages

- For Computers with serial asynchronous interface.
- Equipped with a serial RS 232 C interface.
- Changeable between IBM* position- and ASCII-codes.
- Sliding switch for selection of different ASCII country codes.
- Excellent cost/performance ratio achieved by: - specific application of high quality materials, UL approved.
 - automated manufacturing procedures with integrated test stations.
 - most modern quality control systems defined by DIN ISO 9001.

- use of quality systems such as FMEA and SPC.
- fulfillment of the latest ergonomic requirements which for example meet ZH 1/618.
- 4 mm full-travel keyswitches.
- Use of Cherry MX keys with »Gold Crosspoint« contacts.
- Reliability: $MCBF = 1 \times 10^9$ operations. MTBF = 80.000 hours.
- Long life expectancy of individual keys: > 50 x 10⁶ operations.

- Fatigue-free operation with minimal risk of multiple actuation, enabled by ergonomic »Cylindrical« key set.
- "Deep Dish" sculptured keys for F and J index finger locations and a dimple on the 5 in the numeric pad for quick and accurate homing when touch-typing.
- 2-shot moulded keycaps are non-reflecting and easy to clean.
- Wear resistant keycap legends.

Safety:





• RFI/EMI:

Post Vfg. 1046 / 1984 (VDE 0871, Klasse B)

CISPR 22





Important Features

- The alphanumeric keylayout of the 102 key version conforms to DIN 2137, sheet 2, 10.88. The international characters use standard "ASCII" code in compliance with DIN 66003 and 66303.
- The 101 key version features "ASCII" international keylayout according to DIN 66003 and 66303.
- LED indicators show selected mode.
- Precision contacts eliminate input errors.
- The IBM* overlay fits onto the housing.
- Full ASCII code.
- Linear feel. Additional versions (Soft tactile feedback, tactile "click") upon request.
- Low profile, minimum height.
- Height of 3rd keyrow is < 30 mm (measured from table top with keyboard in flat position), conforming to the most recent research results on ergonomic requirements for desplay workstations. 6° angled stems.
- Separate cursor pad.
- Asynchronous data format.
- N-Key-rollover.
- Available key layouts: US-English, German and French. Additional versions upon request.
- Electromagnetic compatibility (EMC):
- ESD (in compliance with IEC 801-2): 15 kV.
 RFI / EMI: Post-Vfg. 1046 / 1984 (VDE 0871, Class B).
 - FCC Part 15, Subpart J, Class B.
 - CISPR 22

Mechanical Data

Total travel: 4 - 0.4 mm. Pretravel: 2 ± 0.6 mm. Operating force: 60 ± 20 cN.

Storage temperature: -40° C (-40° F) to $+70^{\circ}$ C ($+158^{\circ}$ F). Working temperature: 0° C (+32° F) to +50° C (+122° F).

Electrical Data

Power supply:

+ 5V/DC, current consumption 180 mA. typ.

Bidirectional (only IBM mode), serial asynchronous. The keyboard communicates with the system via the T x D respectively via the R x D data line.

Data format:

Data format and transfer rate can be adjusted via wire lines.

Dataoutput:

RS 232 C, asynchronous.

Data buffer:

All codes are buffered prior to output (buffer capacity 16 bytes).

Keyboard input sequence:

N-key-rollover.

Autorepeat:

All keys are equipped with automatic repeat function, except function and shift keys. The delay time and rate of repetition are changeable through the system (IBM mode).

Power-up reset:

The keyboard triggers an automatic power-up reset.

Keyboard self-test:

Upon power-up or if requested by system, the keyboard performs a self-test routine. If no faults are detected, the keyboard transmits the hexadecimal code "AA". Any other code is interpreted to mean the keyboard is defective. LED status indication for NUM LOCK, CAPS LOCK and SCROLL LOCK.

Preparation of specifications on the components including their technical data, is performed due to internal Cherry tests in accordance with approved rules only.

Notes for end users:

With respect to the variety of applications we suggest to consult an expert due to product modifications.

Keyboard Cable

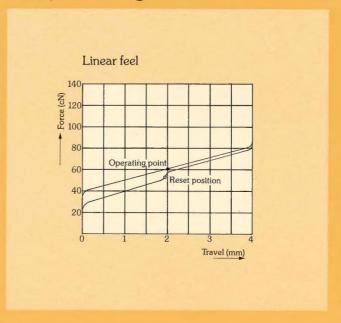
2 m coiled cable with 4 Pin Modular Plug AMP Nr. 469268-2 or equivalent.

Pin Assignment

Pin	Assignment
1	Logic Ground
2	+ 5V
3	TxD
4	RxD



Force/Travel Diagram



Operation Mode Switch

	SW 1	SW 2
IBM AT-, PS/2 format	OFF	OFF
ASCII format "US-English"	OFF	ON
ASCII format "German"	ON	OFF
ASCII format "French"	ON	ON

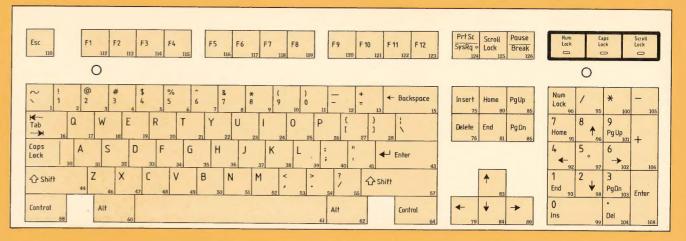




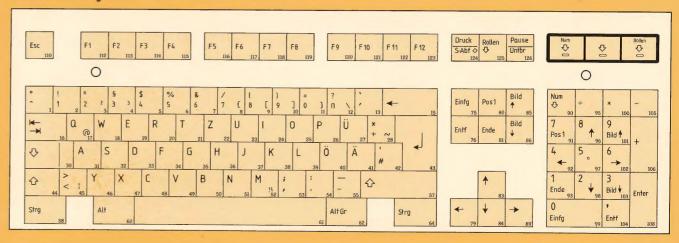
IBM* Position Codes

	sition Cod	103					
Key	SET 1	SET 2	SET 3	Taste	SET 1	SET 2	SET 3
1	29	0E	0E	53	33	41	41
2	02	16	16	54	34	49	49
3	03	1E	1E	55	35	4A	4A
4	04	26	26	57	36	59	59
5	05	25	25	58	1D	14	11
6	06	2E	2E	60	38	11	19
7	07	36	36	61	39	29	29
8	08	3D	3D	62	E0, 38	E0, 11	39
9	09	3E	3E	64	E0, 1D	E0, 14	58
10	0A	46	46	75	E0, 52	E0, 70	67
11	0B	45	45	76	E0, 53	E0, 71	64
12	0C	4E	4E	79	E0, 4B	E0, 6B	61
13	0D	55	55	80	E0, 47	E0, 6C	6E
15	0E	66	66	81	E0, 4F	E0, 69	65
16	0F	0D	0D	83	E0, 48	E0, 75	63
17	10	15	15	84	E0, 50	E0, 72	60
18	11	1D	1D	85	E0, 49	E0, 7D	6F
19	12	24	24	86	E0, 51	E0, 7A	6D
20	13	2D	2D	89	E0, 4D	E0, 74	6A
21	14	2C	2C	90	45	77	76
22	15	35	35	91	47	6C	6C
23 24	16	3C	3C	92	4B	6B	6B
25	17 18	43	43	93	4F	69	69
26	19	44 4D	44	95	E0, 35	E0, 4A	77
27	1A	54	4D 54	96	48	75	75
28	1B	5B	5B	97 98	4C 50	73 72	73
29*	2B	5D	5C	99	52	70	72 70
30	3A	58	14	100	37	7C .	7E
31	1E	1C	1C	101	49	7D	7D
32	1F	1B	1B	102	4D	74	74
33	20	23	23	103	51	7A	7A
34	21	2B	2B	104	53	71	71
35	22	34	34	105	4A	7B	84
36	23	33	33	106	4E	79	7C
37	24	3B	3B	108	E0, 1C	E0, 5A	79
38	25	42	42	110	01	76	08
39	26	4B	4B	112	3B	05	07
40	27	4C	4C	113	3C	06	0F
41	28	52	52	114	3D	04	17
42**	2B	5D	53	115	3E	0C	1F
43	1C	5A	5A	116	3F	03	27
44	2A	12	12	117	40	0B	2F
45**	56	61	13	118	41	83	37
46	2C	1A	1A	119	42	0A	3F
47	2D	22	22	120	43	01	47
48	2E	21	21	121	44	09	4F
49	2F	2A	2A	122	57	78	56
50	30	32	32	123	58	07	5E
51 52	31	31	31	124	E0, 2A, E0, 37	E0, 12, E0, 7C	57
52	32	3A	3A	125	46	7E	5F
*Keyboard with 101	keys only	** Keyboard with 102	key only	126 E1,	1D, 45, EI, 9D, C5	E1,14,77,E1,F0,14,F0,77	62

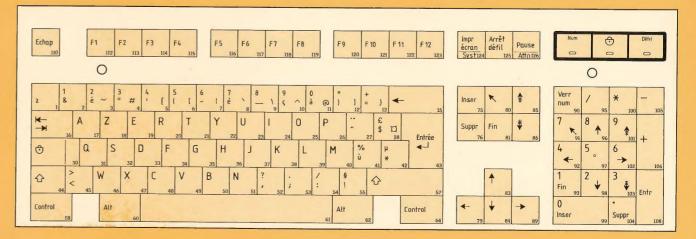
US-English Layout



German Layout



French Layout



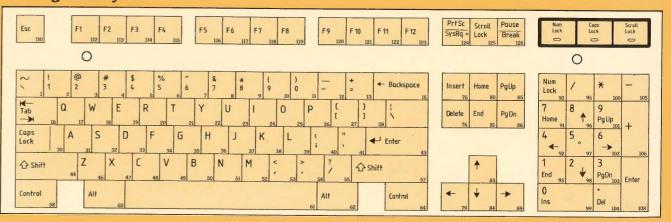


ASCII-Codes "US-English"

Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
1	60	7E	60	FE	60	7E				
2	31	21	31	FB	31	21	60 31	7E 21	60	7E
3	32	40	32	FD	32	40	32	40	31 32	21 40
4	33	23	33	FC	33	23	33	23	33	23
5	34	24	34	FA	34	24	34	24	34	24
6	35	25	35	F9	35	25	35	25	35	25
7	36	5E	36	F8	36	5E	36	5E	36	5E
8	37	26	37	7B	37	26	37	26	37	26
9	38	2A	38	5B	38	2A	38	2A	38	2A
10	39	28	39	5D	39	28	39	28	39	28
11	30	29	30	7D	30	29	30	29	30	29
12	2D	5F	2D	5C	2D	5F	2D	5F	2D	5F
13	3D	2B	3D	F7	3D	2B	3D	2B	3D	2B
14										
15	08	08	08	F6	08	08	08	08	08	08
16	09	0B	09	F5	09	0B	09	0B	09	0B
17	71	51	11	40	71	71	51	71	51	71
18 19	77 65	57	17	F4	77	77	57	77	57	77
20	72	45 52	05 12	F3	65	65	45	65	45	65
21	74	54	14	F2	72	72	52	72	52	72
22	79	59	14 1A	F1 F0	74 79	74	54	74	54	74
23	75	55	15	EF	75	79 75	59 55	79	59	79
24	69	49	09	EE	69	69	49	75	55	75
25	6F	4F	0F	ED	6F	6F	49 4F	69 6F	49 4F	69 6F
26	70	50	10	EC	70	70	50	70	50	70
27	5B	7B	1D	EB	5B	7B	5B	7B	5B	76 7B
28	5D	7D	2B	7E	5D	7D	5D	7D	5D	7D
29	5C	7C	00	7C	5C	7C	5C	7C	5C	7C
30					CAPSI	OCK		, 0		10
31	61	42	01	EA	61	61	41	61	41	61
32	73	53	13	E9	73	73	53	73	53	73
33	64	44	04	E8	64	64	44	64	44	64
34	66	46	06	E7	66	66	46	66	46	66
35	67	47	07	E5	67	67	47	67	47	67
36	68	48	08	E4	68	68	48	68	48	68
37	6A	4A	0A	E3	6A	6A	4A	6A	4A	6A
38 39	6B 6C	4B 4C	0B 0C	E2 E1	6B	·6B	4B	6B	4B	6B
40	3B	3A	1C	E0	6C 3B	6C 3B	4C 3B	6C	4C	6C
41	27	22	1B	AF	27	27	27	3A 22	3B 27	3A
42										22
43	0D	0D	0D	AC	0D	0D	0D	0D	0D	0D
44					SHIFT		02	0D	OD	OD
45										
46	7A	5A	19	AB	7A	5A	5A	7A	5A	7A
47	78	58	18	9F	78	58	58	78	58	78
48	63	43	03	9E	63	43	43	63	43	63
49	76	56	16	9D	76	56	56	76	56	76
50	62 6E	42	02	9C	62	42	42	62	42	62
51 52	6E 6D	4E	0E	9B	6E	4E	4E	6E	4E	6E
53	2C	4D	0D	E6	6D	4D	4D	6D	4D	6D
54	2E	3C 3E	2C 2E	3B	2C	3C	2C	3C	2C	3C
55	2F	3F	1F	3A 1F	2E 2F	3E 3F	2E	3E	2E	3E
56				11	<u> ۲</u>		2F	3F	2F	3F
57					SHIFT R					
58					CONTROL					
59										
60					ALT LI	EFT				
61	20	20	20	20	20	20	20	20	20	20
62					ALT RIC					23
63								-		
64					CONTROL					
75	B0	B0	B0	B0	B0	B0	B0	B0	B0	B0
76	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F
77										
78										

Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
79	12	12	12	12	12	12	12	12	12	12
80	B7	B7	B7	B7	B7	B7	B7	B7	B7	B7
81	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
82	11					***************************************				
83	11 14	11	11	11	11	11	11	11	11	11
84 85	89	14	14	14	14	14	14	14	14	14
86	B3	89 B3	89 B3	89	89	89	89	89	89	89
87				B3	B3	B3	В3	В3	B3	В3
88										
89	13	13	13	13	13	13	13	13	10	10
90	10	10	10	10	NUM L		13	15	13	13
91	87	37	В7		37	B7	В7	37	37	В7
92	12	34	12		34	12	12	34	34	12
93	B1	31	B1		31	B1	B1	31	31	B1
94										
95	2F	2F	2F		2F	2F	2F	2F	2F	2F
96	11	38	11		38	11	11	38	38	11
97	00	35	00		35	00	00	35	35	00
98	14	32	14		32	14	14	32	32	14
99	B0	30	B0		30	B0	B0	30	30	B0
100	2A	2A	2A		2A	2A	2A	2A	2A	2A
101	89	39	89		39	89	89	39	39	89
102	13	36	13		36	13	13	36	36	13
103	B3	33	B3		33	В3	В3	33	33	B3
104	7F	2E	7F		2E	7F	7F	2E	2E	7F
105	2D	2D	2D		2D	2D	2D	2D	2D	2D
106 107	2B 	2B	2B		2B	2B	2B	2B	2B	2B
108	0D	0D								
109			0D		0D	0D	0D	0D	0D	0D
110	1B	1B	1B	1B	 1B	 1B	 1D			
111							1B 	1B	1B	1B
112	D0	D0	D0	D0	D0	D0	D0	D0	 D0	 D0
113	D1	D1	D1	D1	D1	DI	D1	DI	DI	D0
114	D2	D2	D2	D2	D2	D2	D2	D2	D2	D2
115	D3	D3	D3	D3	D3	D3	D3	D3	D3	D3
116	D4	D4	D4	D4	D4	D4	D4	D4	D4	D4
117	D5	D5	D5	D5	D5	D5	D5	D5	D5	D5
118	D6	D6	D6	D6	D6	D6	D6	D6	D6	D6
119	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7
120	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8
121	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9
122	DA	DA	DA	DA	DA	DA	DA	DA	DA	DA
123	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
124 125	AA 8B	AA	AA	AA	AA	AA	AA	AA	AA	AA
126	00	8B 00	8B	8B	8B	8B	8B	8B	8B	8B
120	00	00	00	00	00	00	00	00	00	00

US-English Layout



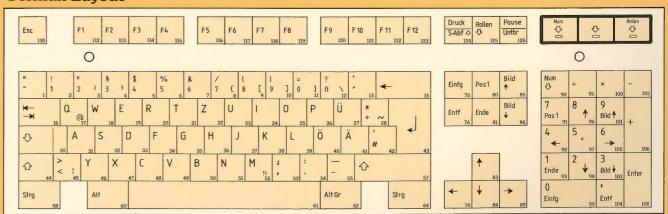


ASCII-Codes "German"

L	Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
	1	5E	F8	5E	FE	5E	F8	5E	F8	5E	F8
	2	31	21	31	FB	31	21	31	21	31	21
	3	32	22	32	FD	.32	22	32	22	32	22
	4	33	15	33	FC	33	15	33	15	33	15
	5	34	24	34	FA	34	24	34	24	34	24
	6	35	25	35	F9	35	25	35	25	35	25
	7	36	26	36	F8	36	26	36	26	36	26
	8	37	2F	37	7B	37	2F	37	2F	37	2F
	9	38 39	28 29	38 39	5B 5D	38 39	28 29	38 39	28 29	38	28
	11	30	3D	30	7D	39	3D	30	3D	39 30	29 3D
	12	E1	3F	E1	5C	E1	3F	E1	3F	E1	3F
	13	27	60	27	F7	27	60	27	60	27	60
	14										
	15	08	08	08	F6	08	08	08	08	08	08
	16	09	0B	09	F5	09	0B	09	0B	09	0B
	17	71	51	11	40	71	51	51	71	51	71
	18	77	57	17	F4	77	57	57	77	57	77
	19	65	45	05	F3	65	45	45	65	45	65
	20	72	52	12	F2	72	52	52	72	52	72
	21	74	54	14	F1	74	54	54	74	54	74
	22	7A	5A	1A	F0	7A	5A	5A	7A	5A	7A
	23	75	55	15	EF	75	55	55	75	55	75
	24	69	49	09	EE	69	49	49	69	49	69
	25	6F	4F	0F	ED	6F	4F	4F	6F	4F	6F
	26 27	70 81	50 9A	10 1D	EC	70	50	50	70	50	70
	28	2B	2A	2B	EB 7E	81 2B	9A 2A	9A 2B	81 2A	9A	81
	29	ZB	ZA 	ZD 	/E	ZD	ZA 		ZA	2B 	2A
	30					CAPSI					
	31	61	41	01	EA	61	41	41	61	41	61
	32	73	53	13	E9	73	53	53	73	53	73
	33	64	44	04	E8	64	44	44	64	44	64
	34	66	46	06	E7	66	46	46	66	46	66
	35	67	47	07	E5	67	47	47	67	47	67
	36	68	48	08	E4	68	48	48	68	48	68
	37	6A	4A	0A	E3	64	4A	4A	6A	4A	6A
	38	6B	4B	0B	E2	6B	4B	4B	6B	4B	6B
	39	6C 94	4C	0C	E1	6C 94	4C 99	4C	6C	4C	6C
	40 41	84	99 8E	1C 1B	E0 AF	84	99 8E	99 8E	94 84	99 8E	94 84
	42	23	27	1E	AE	23	27	23	27	23	27
	43	0D	0D	0D	AC	0D	0D	0D	0D	0D	0D
	44	OD	OD	OD	710	SHIFT		OD	OD	OD	OD
	45	3C	3E	00	7C	3C	3E	3C	3E	3C	3E
	46	79	59	19	AB	79	59	59	79	59	79
	47	78	58	18	9F	78	58	58	78	58	78
	48	63	43	03	9E	63	43	43	63	43	63
	49	76	56	16	9D	76	56	56	76	56	76
	50	62	42	02	9C	62	42	42	62	42	62
	51	6E	4E	0E	9B	6E	4E	4E	6E	4E	6E
	52 53	6D 2C	4D	0D	E6	6D 2C	4D	4D	6D	4D	6D
	54	2E	3B 3A	2C 2E	3B 3A	2E	3B 3A	2C 2E	3B 3A	2C	3B
	55	2D	5F	1F	1F	2D	5F	2F	5F	2E 2D	3A 5F
	56	20				4D		2F			
	57					SHIFT					
	58					CONTRO					
	59										
	60					ALT L					
	61	20	20	20	20	20	20	20	20	20	20
	62					ALT RI	GHT				
	63										
	64	mo.	70.0	ma		CONTROL		F.0		20	
	75	B0									
	76 77	7F									
	78										
	7.5										

Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
79	12	12	12	12	12	12	12	12	12	12
80	B7	B7	B7	B7	B7	B7	B7	B7	B7	B7
81	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
82					 D1					
83	11	11	11	11	11	11	11	11	11	11
84	14	14	14	14	14	14	14	14	14	14
85	89	89	89	89	89	89	89	89	89	89
86	B3	B3	B3	B3	B3	B3	В3	B3	В3	B3
87										
88			****							
89	13	13	13	13	13	13	13	13	13	13
90					NUML					
91	87	37	B7		37	B7	B7	37	37	B7
92	12	34	12		34	12	12	34	34	12
93	B1	31	B1		31	B1	B1	31	31	B1
94										e
95	2F	2F	2F		2F	2F	2F	2F	2F	2F
96	11	38	11		38	11	11	38	38	11
97	00	35	00		35	00	00	35	35	00
98	14	32	14		32	14	14	32	32	14
99	В0	30	B0		30	B0	В0	30	30	В0
100	2A	2A	2A		2A	2A	2A	2A	2A	2A
101	89	39	89		39	89	89	39	39	89
102	13	36	13		36	13	13	36	36	13
103	B3	33	B3		33	B3	B3	33	33	B3
104	7F	2C	7F		2C	7F	7F	2C	2C	7F
105	2D	2D 2B	2D		2D	2D	2D 2B	2D 2B	2D 2B	2D 2B
106 107	2B	ZD 	2B		2B 	2B	2D	ZD 	ZD 	2D
108	0D	0D	0D		0D	0D	0D	0D	0D	0D
109										
110	1B	1B	1B	1B	1B	1B	1B	1B	1B	1B
111		75								
112	D0	D0	D0	D0	D0	D0	D0	D0	D0	D0
113	D1	D1	D1	D1	D1	D1	D1	D1	D1	D1
114	D2	D2	D2	D2	D2	D2	D2	D2	D2	D2
115	D3	D3	D3	D3	D3	D3	D3	D3	D3	D3
116	D4	D4	D4	D4	D4	D4	D4	D4	D4	D4
117	D5	D5	D5	D5	D5	D5	D5	D5	D5	D5
118	D6	D6	D6	D6	D6	D6	D6	D6	D6	D6
119	D7	D7	D7	D7	D7	D7	D7	D7	D7	D7
120	D8	D8	D8	D8	D8	D8	D8	D8	D8	D8
121	D9	D9	D9	D9	D9	D9	D9	D9	D9	D9
122	DA	DA	DA	DA	DA	DA	DA	DA	DA	DA
123	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
124	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
125	8B	8B	8B	8B	8B	8B	8B	8B	8B	8B
126	00	00	00	00	00	00	00	00	00	00

German Layout





ASCII-Codes "French"

Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
1	FD	FD	FD	FD	FD	FD	FD	FD	FD	FD
2	26	31	31	FE	26	31	26	31	26	31
3	82	32	32	7E	82	32	82	32	82	32
4	22	33	33	23	22	33	22	33	22	33
5	27	34	34	7B	27	34	27	34	27	34
6	28	35	35	5B	28	35	28	35	28	35
7	2D	36	36	76	2D	36	2D	36	2D	36
8	8A	37	37	27	8A	37	8A	37		37
9	5F	38	38	5C	5F	38	5F	38	8A 5F	37
10	80	39	39	5E	80	39	80	39		38 39
11	85	30	30	40	00		85	39	80	39
12	29	F8	F8		85 29	30	29	30	85	30
13	3D	2B	2B	5D		F8		F8	29	F8
14				7D	3D	2B	3D	2B	3D	2B
	08		08	FC						
15		08	08		08	08	08	08	08	08
16 17	09 61	0B 41	09 01	FB	09	0B	09	0B	09	0B
18				FA	61	41	41	61	41	61
19	7A	5A	1A	F9	7A	5A	5A	7A	5A	7A
	65	45	05	F8	65	45	45	65	45	65
20	72	52	12	F7	72	52	52	72	52	72
21	74	54	14	F6	74	54	54	74	54	74
22	79	59	19	F5	79	59	59	79	59	79
23 24	75 69	55 49	15 09	F4	75	55	55	75	55	75
			09	F3	69	49	49	69	49	69
25	6F	4F	0F	F2	6F	4F	4F	6F	4F	6F
26	70	50	10	F1	70	50	50	50	50	50
27	5E	7E	1D	F0	5E	7E	5E	7E	5E	7E
28	24	9C	1F	EF	24	9C	24	9C	24	9C
29										
30	. 61		Tara a	ÉD	CAPSI					
31	71	51	11	ÉD	71	51	51	71	51	71
32	73	53	13	EC	73	53	53	73	53	73
33	64	44	04	EB	64	44	44	64	44	64
34	66	46	06	EA	66	46	46	66	46	66
35	67	47	07	E9	67	47	47	67	47	67
36	68	48	08	E8	68	48	48	68	48	68
37	6A	4A	0A	E7	6A	4A	4A	6A	4A	6A
38	6B	4B	0B	E6	6B	4B	4B	6B	4B	6B
39	6C	4C	0C	E5	6C	4C	4C	6C	4C	6C
40	6D	4D	0D	E4	6D	4D	4D	6D	4D	6D
41	97	25	1C	E3	97	25	97	25	97	25
42	2A	E6	1E	E2	2A	E6	2A	E6	2A	E6
43 44	0D	0D	0D	EE	OD CHUET	0D	0D	0D	0D	0D
45	20	or:	00	274	SHIFT	LEFI	20	ar.	0.0	0.5
46	3C 77	3E 57	00 17	E1	3C 77	3E 57	3C 57	3E	3C	3E
		5/		E0	70	57	5/	77	57	77
47 48	78 63	58 43	18 03	AF	78 63	58 43	58 43	78 63	58	78
48	76	56	16	AE AD	76	56	56		43	63
50	62	42	02	AC	62	42	42	76	56	76
51	6E	4E	0E	AB	6E	4E	4E	62 6E	42 4E	62 6E
52	2C	3F	2C	9E	2C	3F	2C	3F	2C	3F
53	3B	2E	3B	9D	3B	2E	3B	2E	3B	2E
54	3A	2F	3A	9D	3A	2F	3A	2F	3A	
55	21	15	33	9B	21	15	21	2F 15		2F
56									21	15
57					SHIFT					
58					CONTROL					
59					CONTROL	L LLI				
60					ALT L	FFT				
61	20	20	20	20	20	20	20	20	20	20
62	20	20	20	20	ALT RI		20	20	20	20
63					ALI NI	OIII				
64					CONTROL	RIGHT				
75	В0	В0	В0	В0	B0	B0	В0	В0	В0	В0
76	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F
77	75	/F	/1"	7.	/ Γ	/1			71	
78										
70	4									

Key	Unsh	Shift	Ctrl	ShCo	Num	NumSh	Caps	CapSh	CaNum	CaNuSh
79	12	12	12	12	12	12	12	12	12	12
80	B7									
81	B1									
82										
83	11	11	11	11	11	11	11	11	. 11	11
84	14	14	14	14	14	14	14	14	14	14
85	89	89	89	89	89	89	89	89	89	89
86	В3	B3	B3	B3	B3	B3	В3	В3	В3	B3
87										
88								10	10	
89	13	13	13	_13	13	13	13	13	13	13
90	07	07	D7		NUM L		D7	37	37	D7
91 92	87	37 34	B7 12		37 34	B7	B7 12	34	34	B7 12
92	12 B1	31	B1		31	12 B1	B1	31	31	B1
93	 DI	. 21	D1			DI	 D1	21		 D1
95	2F	2F	2F		2F	2F	2F	2F	2F	2F
96	11	38	11		38	11	11	38	38	11
97	00	35	00		35	00	00	35	35	00
98	14	32	14		32	14	14	32	32	14
99	В0	30	B0		30	В0	B0	30	30	B0
100	2A	2A	2A		2A	2A	2A	2A	2A	2A
101	89	39	89		39	89	89	39	39	89
102	13	36	13		36	13	13	36	36	13
103	B3	33	B3		33	В3	B3	33	33	В3
104	7F	2E	7F		2E	7F	7F	2E	2E	7F
105	2D	2D	2D		2D	2D	2D	2D	2D	2D
106	2B	2B	2B		2B	2B	2B	2B	2B	2B
107		OD				. ——				0D
108 109	0D	0D	0D		0D	0D	0D	0D	0D	
110	1B									
111										
112	D0									
113	D1									
114	D2									
115	D3									
116	D4									
117	D5									
118	D6									
119	D7									
120	D8									
121	D9									
122	DA									
123 124	DB AA									
125	8B									
126	00	00	00	00	00	00	00	00	00	00
120	00	00	00	00	00	00	00	00	00	00

French Layout

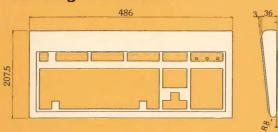




Ordering Code

US-English	German	French		
G80-1220 HAU	G80-1220 HAD	G80-1220 HAF		

Housing Dimensions



Housing



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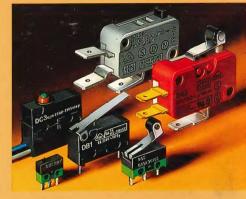
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